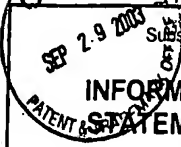



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 <p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>		Application Number	10/041,957		
		Filing Date	1/7/02		
		First Named Inventor	Steven Teig		
		Group Art Unit			
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	SPLX.P0044

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
ST	1.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Previously specified
	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously specified
	3.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Previously specified
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	12.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Previously specified
BO	13.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

Examiner Signature		Date Considered	05/13/04
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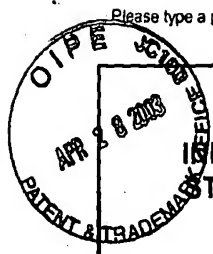
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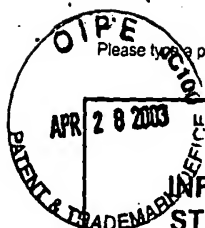
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B.T.	1.	2001/ 0003843	A1	Scepanovic et al.	06-14-01	
B.T.	2.	4,615,011		Linsker	09-30-86	
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Sheet	2	of	2	Attorney Docket Number	SPLX.P0044

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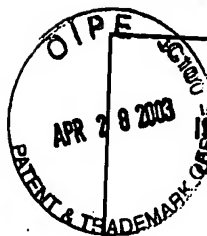
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				First Named Inventor	Steven Teig
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Sheet	3	of	3	Attorney Docket Number	SPLX.P0044

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Examiner* Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴ (if known) ⁵				
BT	55.	JP	64-15947	Ouchi	01-19-89		
BT	56.	JP	04000677	Fujiwara et al.	01-1992		

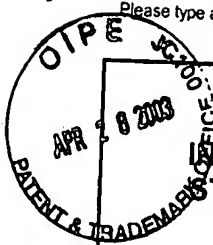
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Sheet	4	of	4	Attorney Docket Number	SPLX.P0044

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
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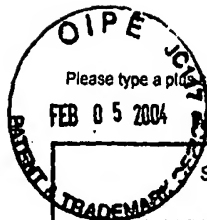
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B5	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
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	19.	6,128,767		10-03-2000	Chapman	
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 7

Application Number	10/041,957
Filing Date	1/7/02
First Named Inventor	Steven Teig
Group Art Unit	2825
Examiner Name	Bihn Tat
Attorney Docket Number	SPLX.P0044

U.S. PATENT DOCUMENTS

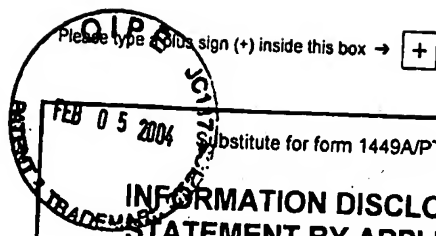
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23.	6,226,560	B1	05-01-2001	Hama et al.
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Examiner Signature	<i>Bihn Tat</i>	Date Considered	05/14/04
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		Examiner Name	Bihn Tat	
Sheet	3	7	Attorney Docket Number	SPLX.P0044

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Cod (if known)				
BV	42.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	43. ✓	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	44. ✓	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	45. ✓	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	46. ✓	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
Bf	47. ✓	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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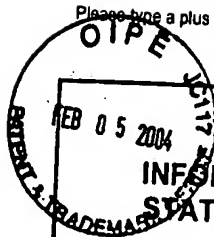
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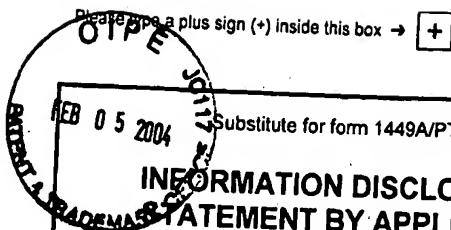
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B5	48.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

Examiner Signature	<i>B. H. Lee</i>	Date Considered	01/14/04
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			Examiner Name	Bihn Tat
Sheet	5	7	Attorney Docket Number	SPLX.P0044

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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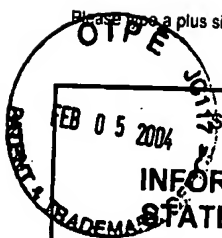
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Substitute for form 1449A/PTO			Application Number	10/041,957
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			Group Art Unit	2825
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Sheet	6	7	Attorney Docket Number	SPLX.P0044

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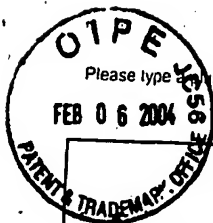
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U.S. PAT. 0044

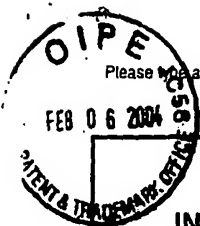
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Examiner's Initials	Cite No.	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
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	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously specified
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B5	13.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Continuation of the parent application (2003/0079193) of the present application.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/041,957
				Filing Date	1/7/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Bihn Tat
Sheet	1		7	Attorney Docket Number	SPLX.P0044

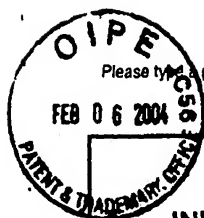
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No.	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
B5	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
	3.	2003/0005 399	A1	01-02-2003	Igarashi et al.	
	4.	4,593,363		06-03-1986	Burstein et al.	
	5.	5,267,176		11-30-1993	Antreich et al.	
	6.	5,566,078		10-15-1996	Ding et al.	
	7.	5,587,923		12-24-1996	Wang	
	8.	5,618,744		04-08-1997	Suzuki et al.	
	9.	5,635,736		06-03-1997	Funaki et al.	
	10.	5,637,920		06-10-1997	Loo	
	11.	5,663,891		09-02-1997	Bamji et al.	
	12.	5,757,089		05-26-1998	Ishizuka	
	13.	5,784,289		07-21-1998	Wang	
	14.	5,798,936		08-25-1998	Cheng	
	15.	5,838,583		11-17-1998	Varadarajan et al.	
	16.	5,889,677		03-30-1999	Yasuda et al.	
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	18.	6,070,108		05-30-2000	Andreev et al.	
	19.	6,128,767		10-03-2000	Chapman	
FA	20.	6,150,193		11-21-2000	Glenn	

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				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	Bihn Tat
Sheet	2		7	Attorney Docket Number	SPLX.P0044

U.S. PATENT DOCUMENTS						
B5	21.	6,209,123	B1	03-27-2001	Maziasz et al.	
	22.	6,219,832	B1	04-17-2001	Buzbee	
	23.	6,226,560	B1	05-01-2001	Hama et al.	
	24.	6,249,902	B1	06-19-2001	Igusa et al.	
	25.	6,253,363	B1	06-26-2001	Gasarov et al.	
	26.	6,295,634	B1	09-25-2001	Matsumoto	
	27.	6,307,256		10-23-2001	Chiang et al.	
	28.	6,316,838	B1	11-13-2001	Ozawa et al.	
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	30.	6,324,675	B1	11-27-2001	Dutta et al.	
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	34.	6,415,422	B1	07-02-2002	Mehrotra et al.	
	35.	6,448,591	B1	09-10-2002	Juengling	
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	37.	6,519,751	B2	02-11-2003	Sriram et al.	
	38.	6,543,043	B1	04-01-2003	Wang et al.	
	39.	6,546,540	B1	04-08-2003	Igarashi et al.	
	40.	6,557,145	B2	04-29-2003	Boyle et al.	
B5	41.	6,567,967	B2	05-20-2003	Greidinger et al.	

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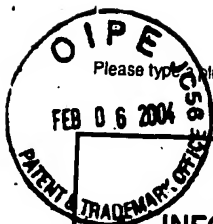
FOREIGN PATENT DOCUMENTS								
Examiner's Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code (if known)				
B	42.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	43.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	44.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	45.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	46.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
B	47.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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FOREIGN PATENT DOCUMENTS								
135	48.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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		Group Art Unit	2825	
		Examiner Name	Bihn Tat	
Sheet	5	7	Attorney Docket Number	SPLX.P0044

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
B5	49.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
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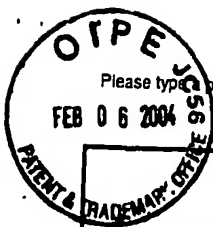
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Examiner Signature		Date Considered	01/14/04
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Substitute for form 1449A/PTO				Application Number	10/041,957
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/4/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	SPLX.P0044

RELATED U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document Number	Date of Filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data	
BT	1.	2003/0079193	12-07-2001	Steven Teig et al.	Parent application; present application is a continuation of 2003/079193.	
	2.	2003/0018947	12-07-2001	Steven Teig et al.	Application filed on the same day as the parent application 2003/0079193, with the same specification as the present application except for summary and abstract.	
	3.	2002/0147958	10-19-2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03.	
	4.	2003/0063614	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.	
	5.	2003/0064559	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.	
	6.	2003/0063568	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.	
	7.	2003/0101428	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.	
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	10.	2003/0023943	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.	
	11.	2003/0066042	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.	
	12.	2002/0174412	01-07-2002	Steven Teig et al.	Continuation of 2003/0079193.	
	13.	2002/0199165	01-13-2002	Steven Teig et al.	Continuation of 2003/0079193.	
BT	14.	2003/0066043	01-13-2002	Steven Teig et al.	Continuation of 2003/0088844 per preliminary amendment.	

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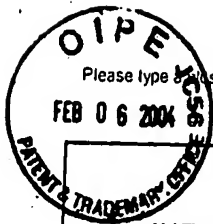
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20.	2002/0100007	12-06-2000	Steven Teig et al.	Application regarding related placement technology		
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24.	S/N 09/739,460	12-15-2000	Steven Teig et al.	Application regarding related placement technology		
25.	2002/0124231	12-15-2000	Steven Teig et al.	Application regarding related placement technology		
26.	S/N 09/739,589	12-15-2000	Steven Teig et al.	Application regarding related placement technology		
27.	S/N 09/742,171	12-19-2000	Steven Teig et al.	Application regarding related placement technology		
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29.	2002/0069397	01-13-2002	Steven Teig et al.	Application regarding related placement technology		
30.	2002/0170027	02-20-2002	Steven Teig et al.	Application regarding related placement		

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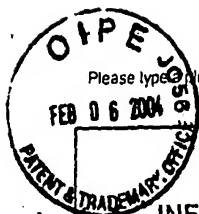
RELATED U.S. PATENT DOCUMENTS						
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Br	31.	2002/0157075	02-20-2002	Steven Teig et al.	Application regarding related placement	technology
h5	32.	2003/0088841	12-23-2002	Steven Teig et al.	Application regarding related placement	technology

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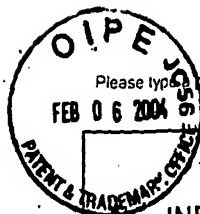
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		Number	Kind Code (if known)			
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	2.	4,615,011		Linsker	09-30-86	
	3.	4,673,966		Shimoyama	06-16-87	
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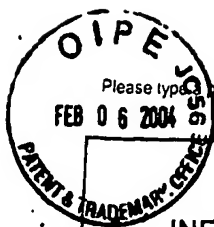
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				Group Art Unit	2825
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	26.	5,914,887		Scepanovic et al.	06-22-99	
	27.	5,973,376		Rostoker et al.	10-26-99	
	28.	6,035,108		Kikuchi	03-07-00	
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	36.	6,216,252	B1	Dangelo et al.	04-10-01	
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	43.	6,327,694	B1	Kanazawa	12-04-01	
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	45.	6,385,758	B1	Kikuchi et al.	05-07-02	
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	48.	6,412,097	B1	Kikuchi et al.	06-25-02	
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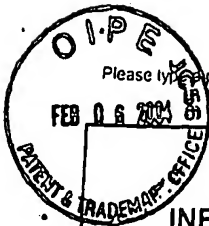
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BT	55.	JP	64-15947		01-19-89	
BT	56.	JP	04000677		01-1992	

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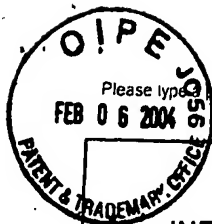
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NON PATENT LITERATURE DOCUMENTS			
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				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	5	of	5	Attorney Docket Number	SPLX.P0044

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